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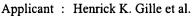
Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Attorney's Docket No.: 08041-007001

## **Listing of Claims**:

- (Previously Presented) A surgical tool, comprising:
   a tip having at least one mechanical cutting edge; and
   at least one electrode attached to a non-mechanical cutting edge of the tip.
- 2. (Original) The surgical tool of claim 1, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 3. (Previously Presented) The surgical tool of claim 1, wherein the at least one electrode comprises at least one wire rod, the wire rod having a thickness of about 0.6 mm or less.
- 4. (Original) The surgical tool of claim 1, wherein the tip further comprises a cavity and wherein the at least one electrode comprises a wire rod embedded in the cavity.
- 5. (Original) The surgical tool of claim 1, wherein the at least one electrode further comprises a non-stick coating.
- 6. (Original) The surgical tool of claim 5, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys, and ceramics.
- 7. (Previously Presented) The surgical tool of claim 4, wherein the at least one electrode comprises a wire rod, the wire rod having a thickness of about 0.6 mm or less.



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8. (Original) The surgical tool of claim 1, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.

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- 9. (Original) The surgical tool of claim 1, wherein the at least one electrode comprises a friction reducing compound.
- 10. (Original) The surgical tool of claim 1, wherein the surgical tool further comprises a contact electrode in electrical communication with the at least one electrode.
- 11. (Original) The surgical tool of claim 1, wherein the tip comprises one of a lance and bifacet edge.
- 12. (Previously Presented) The surgical tool of claim 1, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, and tungsten carbide.
  - 13. (Withdrawn) A method of manufacturing a surgical tool, comprising: coupling a tip to a handle; forming at least one cutting edge on the tip; and forming at least one electrode integral with the tip.
- 14. (Withdrawn) The method of claim 13, further comprising coupling a contact electrode to the handle and establishing an electrical communication with the at least one electrode.
- 15. (Withdrawn) The method of claim 14, further comprising coupling an energy source to the contact electrode and delivering an electrical current to the at least one electrode through the contact electrode.





Applicant: Henrick K. Gille et al.

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16. (Withdrawn) The method of claim 13, further comprising applying a non-stick coating to the at least one electrode.

- 17. (Withdrawn) The method of claim 13, further comprising applying a friction reducing coating to the at least one electrode.
- 18. (Withdrawn) The method of claim 13, wherein the forming step further comprises forming a cavity in the tip and embedding the at least one electrode in the cavity.
- 19. (Withdrawn) The method of claim 13, wherein the forming step further comprises bonding the at least one electrode to an edge of the tip.
- 20. (Withdrawn) The method of claim 13, further comprising removing the at least one electrode by acid etching.
- 21. (Withdrawn) The method of claim 13, further comprising coupling the tip to a locking mechanism.
- 22. (Withdrawn) The method of claim 13, further comprising coupling the tip to a cooling mechanism.
- 23. (Withdrawn) The method of claim 15, further comprising delivering the electrical current through an edge of the tip.
  - 24. (Canceled) A surgical tool, comprising: a housing; and



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an electrically conductive tip coupled to the housing, the tip having a mechanical cutting edge bonded to a portion of the tip.

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25. (Canceled) The surgical tool of claim 24, wherein the tip further comprises one of tungsten carbide, silicon carbide, sapphire, steel, and diamond.

26. (Canceled) The surgical tool of claim 24, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, or tungsten carbide.

27. (Canceled) A surgical tool comprising,
a tip coupled to a handle, the tip including a diamond cutting edge;
and a plurality of electrodes formed on a surface of the tip, the plurality of
electrodes not covering the cutting edge.

28. (Original) A surgical tool, comprising:

a tip having a mechanical cutting edge, the tip being coupled to a handle;

a push/pull device formed integral with the handle; and

an electrode coupled to a distal end of the push/pull device, the electrode passing

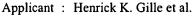
across a surface of the tip, when the push/pull device is actuated.

29. (Previously Presented) A system for cauterizing and cutting, comprising:
a surgical tool having a tip and a handle coupled to the tip, the tip including a
mechanical cutting edge and at least one electrode attached to a non-mechanical cutting edge of
the tip;

a contact electrode passing through the handle and electrically coupled to the at least one electrode; and

an energy source coupled to the handle to deliver electrocautery energy to the at least one electrode via the contact electrode.

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## 30. (Previously Presented) A surgical tool, comprising:

a tip having at least one mechanical cutting edge and at least one electrode attached to a non-mechanical cutting edge of the tip, the tip being removably and frictionally engaged to a handle; and

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a contact electrode formed inside the handle, the contact electrode being in electrical communication with the at least one electrode when the tip is removably and frictionally engaged to the handle.

(Previously Presented) The surgical tool of claim 30 further comprising a button 31. formed integral with the handle and an energy source in electrical communication with the contact electrode, the electrical source delivering an electrical current to the tip in response to the button being pressed .--

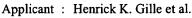
## 32. (Previously Presented) A device, comprising:

a tip having at least one mechanical cutting edge;

and at least one electrode attached to a non-mechanical cutting edge of the tip, wherein the at least one electrode itself delivers an electrical current to an application site to perform electrocautery at the application site.

- (Previously Presented) The device of claim 32 wherein the at least one electrode 33. comprises a wire rod having a thickness of about 0.6mm or less.
- 34. (Previously Presented) The device of claim 32, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 35. (Previously Presented) The device of claim 32, wherein the at least one electrode comprises a non-stick coating.





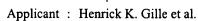
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36. (Previously Presented) The device of claim 35, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys and ceramics.

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- 37. (Previously Presented) The device of claim 32, wherein the tip comprises at least one cavity and wherein the at least one electrode comprises a wire rod embedded in the cavity.
- 38. (Previously Presented) The device of claim 37, wherein the wire rod comprises a thickness of about 0.6mm or less.
- 39. (Previously Presented) The device of claim 32, wherein the at least one electrode comprises a friction reducing compound.
- 40. (Previously Presented) The device of claim 32, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.
- 41. (Previously Presented) The device of claim 32, wherein the device further comprises a contact electrode in electrical communication with the at least one electrode.
- 42. (Previously Presented) The device of claim 32, wherein the tip comprises one of a lance and a bifacet edge.
- 43. (Previously Presented) The device of claim 32, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, and tungsten carbide.
- 44. (Previously Presented) A device, comprising:
  a tip having a mechanical cutting edge to make an incision at an application site;
  and

Cont.



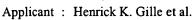
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at least one electrode attached to a non-mechanical cutting edge of the tip.

- 45. (Previously Presented) The device of claim 44 wherein the at least one electrode comprises a wire rod having a thickness of about 0.6mm or less.
- 46. (Previously Presented) The device of claim 44, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 47. (Previously Presented) The device of claim 44, wherein the at least one electrode comprises a non-stick coating.
- 48. (Previously Presented) The device of claim 47, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys and ceramics.
- 49. (Previously Presented) The device of claim 44, wherein the tip comprises at least one cavity and wherein the at least one electrode comprises a wire rod embedded in the cavity.
- 50. (Previously Presented) The device of claim 49, wherein the wire rod comprises a thickness of about 0.6mm or less.
- 51. (Previously Presented) The device of claim 44, wherein the at least one electrode comprises a friction reducing compound.
- 52. (Previously Presented) The device of claim 44, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.
- 53. (Previously Presented) The device of claim 44, wherein the device further comprises a contact electrode in electrical communication with the at least one electrode.





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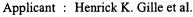
54. (Previously Presented) The device of claim 44, wherein the tip comprises one of a lance and a bifacet edge.

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- 55. (Previously Presented) The device of claim 44, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, and tungsten carbide.
- 56. (Previously Presented) The surgical tool of claim 28, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 57. (Previously Presented) The surgical tool of claim 28, wherein the at least one electrode comprises a non-stick coating.
- 58. (Previously Presented) The surgical tool of claim 57, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys and ceramics.
- 59. (Previously Presented) The surgical tool of claim 28, wherein the at least one electrode comprises a friction reducing compound.
- 60. (Previously Presented) The surgical tool of claim 28, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.
- 61. (Previously Presented) The surgical tool of claim 28, wherein the tip comprises one of a lance an bifacet edge.
- 62. (Previously Presented) The surgical tool of claim 28, wherein the at least one electrode comprises on of titanium nitride, silicon carbide, and tungsten carbide.



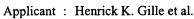




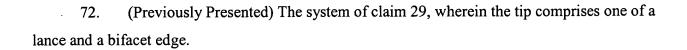
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- 63. (Previously Presented) The system of claim 29, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 64. (Previously Presented) The system of claim 29, wherein the at least one electrode comprises at least one wire rod, the wire rod having a thickness of about 0.6mm or less.
- 65. (Previously Presented) The system of claim 29, wherein the tip further comprises a cavity and wherein the at least one electrode comprises a wire rod embedded in the cavity.
- 66. (Previously Presented) The system of claim 29, wherein the at least one electrode further comprises a non-stick coating.
- 67. (Previously Presented) The system of claim 66, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys, and ceramics.
- 68. (Previously Presented) The system of claim 65, wherein the at least one electrode comprises a wire rod, the wire rod having a thickness of about 0.6mm or less.
- 69. (Previously Presented) The system of claim 29, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.
- 70. (Previously Presented) The system of claim 29, wherein the at least one electrode comprises a friction reducing compound.
- 71. (Previously Presented) The system of claim 29, wherein the system further comprises a contact electrode in electrical communication with the at least one electrode.





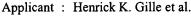
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- 73. (Previously Presented) The system of claim 29, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, and tungsten carbide.
- 74. (Previously Presented) The surgical tool of claim 30, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 75. (Previously Presented) The surgical tool of claim 30, wherein the at least one electrode comprises at least one wire rod, the wire rod having a thickness of about 0.6mm or less.
- 76. (Previously Presented) The surgical tool of claim 30, wherein the tip further comprises a cavity and wherein the at least one electrode comprises a wire rod embedded in the cavity.
- 77. (Previously Presented) The surgical tool of claim 30, wherein the at least one electrode further comprises a non-stick coating.
- 78. (Previously Presented) The surgical tool of claim 77, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys, and ceramics.
- 79. (Previously Presented) The surgical tool of claim 76, wherein the at least one electrode comprises a wire rod, the wire rod having a thickness of about 0.6mm or less.
- 80. (Previously Presented) The surgical tool of claim 30, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.





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81. (Previously Presented) The surgical tool of claim 30, wherein the at least one electrode comprises a friction reducing compound.

82. (Previously Presented) The surgical tool of claim 30, wherein the surgical tool further comprises a contact electrode in electrical communication with the at least one electrode.

83. (Previously Presented) The surgical tool of claim 30, wherein the tip comprises one of a lance and a bifacet edge.

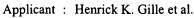
84. (Previously Presented) The surgical tool of claim 30, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, and tungsten carbide.

85. (New) A surgical tool, comprising:

a tip having at least one mechanical cutting edge, the edge not being formed from an electrode; and

at least one electrode attached to a non-mechanical cutting edge of the tip.

- 86. (New) The surgical tool of claim 85, wherein the at least one electrode comprises one of titanium, platinum, copper, nickel, tin, gold, chromium, iron, and silver.
- 87. (New) The surgical tool of claim 85, wherein the at least one electrode comprises at least one wire rod, the wire rod having a thickness of about 0.6 mm or less.
- 88. (New) The surgical tool of claim 85, wherein the tip further comprises a cavity and wherein the at least one electrode comprises a wire rod embedded in the cavity.



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89. (New) The surgical tool of claim 85, wherein the at least one electrode further comprises a non-stick coating.

90. (New) The surgical tool of claim 89, wherein the non-stick coating comprises one of fluoropolymers, ceramic titanium alloys, and ceramics.

91. (New) The surgical tool of claim 88, wherein the at least one electrode comprises a wire rod, the wire rod having a thickness of about 0.6 mm or less.

92. (New) The surgical tool of claim 85, wherein the tip comprises one of silicon carbide, tungsten carbide, sapphire, steel, and diamond.

93. (New) The surgical tool of claim 85, wherein the at least one electrode comprises a friction reducing compound.

94. (New) The surgical tool of claim 85, wherein the surgical tool further comprises a contact electrode in electrical communication with the at least one electrode.

95. (New) The surgical tool of claim 85, wherein the tip comprises one of a lance and bifacet edge.

96. (New) The surgical tool of claim 85, wherein the at least one electrode comprises one of titanium nitride, silicon carbide, and tungsten carbide.